

0.23
k.3

$$\begin{cases} 2x+y=7 \rightarrow y=7-2x \\ \sqrt[3]{x+2y} + \sqrt[3]{x-y+2} = 3 \end{cases}$$

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$$\sqrt[3]{x+14-4x} + \sqrt[3]{x-7+2x+2} = 3$$

$$\sqrt[3]{14-3x} + \sqrt[3]{3x-5} = 3 \quad / ()^3$$

$$14-3x + \sqrt[3]{(14-3x)(3x-5)} \left(\sqrt[3]{14-3x} + \sqrt[3]{3x-5} \right) + 3x-5 = 27$$

$$9\sqrt[3]{(14-3x)(3x-5)} = 18 \quad /:9$$

$$-9x^2 + 57x - 70 = 8$$

$$9x^2 - 57x + 78 = 0$$

$$\boxed{\begin{array}{l} x = \frac{4\frac{1}{3}}{3} \rightarrow y = \frac{1\frac{2}{3}}{3} \\ x = 2 \rightarrow y = 3 \end{array}}$$